



IN THE CLAIMS

1. (Currently Amended) A program guide information providing device ~~connected to~~  
adapted to communicate with a communication terminal device ~~via predetermined~~  
~~communication means~~; said program guide information providing device comprising:

program guide information storing means for storing ~~beforehand~~ program guide  
information indicating the contents of programs to be supplied by predetermined program  
supplying means;

preference information storing means for ~~correlating~~ storing preference information  
indicating the preferences of ~~user using said~~ each of one or more users, said preference  
information for each user also corresponding to a particular communication terminal device with  
identification information ~~appropriated to said communication terminal device, and storing said~~  
~~preference information beforehand~~ associated therewith;

a receiver for receiving identification information from said communication terminal  
device indicative of the identification thereof;

searching means for:

reading from said preference information storing means said preference  
information corresponding to said identification information transmitted from said  
communication terminal device,

searching programs matching the preferences of said user from said program  
guide information based on said read preference information, and

generating searched program guide information comprising said searched  
programs; and

transmitting means for transmitting said searched program guide information to said communication terminal device;

wherein a program selection apparatus receives program selection information upon selection of one of said programs listed in said program guide information by said user on said communication terminal device.

2. (Currently Amended) [[A]] The program guide information providing device according to Claim 1, further comprising receiving means for receiving programs supplied from said program supplying means.

3. (Currently Amended) A program guide information providing system comprising a communication terminal device and a program guide information providing device ~~connected by~~ adapted to communicate with each other ~~predetermined communication means;~~

wherein said program guide information providing device comprises:

program guide information storing means for storing ~~beforehand~~ program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

preference information storing means for ~~correlating~~ storing preference information indicating the preferences of ~~user using said~~ each of one or more users, said preference information for each user also corresponding to a particular communication terminal device with identification information ~~appropriated to said communication terminal device, and~~ storing said preference information beforehand associated therewith;

a receiver for receiving identification information from said communication terminal device indicative of the identification thereof;

~~receiving means for receiving said identification information transmitted from said communication terminal device;~~

searching means for:

reading from said preference information storing means said preference information corresponding to said received identification information,

searching programs matching the preferences of said user from said program guide information based on said read preference information, and

generating searched program guide information comprising said searched programs; and

transmitting means for transmitting said searched program guide information to said communication terminal device;

and wherein said communication terminal device comprises:

transmitting means for transmitting to said guide information providing device said ~~program~~ identification information ~~appropriated to~~ associated with said communication terminal device;

receiving means for receiving said searched program guide information transmitted from said program guide information providing device; ~~and~~

notifying means for notifying the user of said received searched program guide information; and

transmitting means for transmitting to a program selection apparatus program selection information upon selection of one of said program lists in said program guide information by a user on said communication terminal device.

4. (Currently Amended) [[A]] The program guide information providing system according to Claim 3, said program guide information providing device further comprising receiving means for receiving programs supplied from said program supplying means.

5. (Currently Amended) An information receiving device ~~connected to~~ adapted to communicate with a communication terminal device ~~by predetermined communication means,~~ said information receiving device comprising:

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program guide information storing means for storing ~~beforehand~~ program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

preference information storing means for ~~correlating~~ storing preference information indicating the preferences of ~~user using said~~ each of one or more users, said preference information for each user also corresponding to a particular communication terminal device with identification information ~~appropriated to said communication terminal device, and storing said preference information beforehand~~ associated therewith;

a receiver for receiving identification information from said communication terminal device indicative of the identification thereof;

~~receiving means for receiving said identification information transmitted from a remote commander connected to said communication means;~~

searching means for;

reading from said preference information storing means said preference information corresponding to said received identification information,

searching programs matching the preferences of said user from said program guide information based on said read preference information, and

generating searched program guide information comprising said searched programs;

transmitting means for transmitting said searched program guide information to said remote commander; and

a remote commander having first transmitting / receiving means for directly exchanging information between said receiving means and said transmitting means, and second transmitting / receiving means for exchanging information via said communication terminal device and said communicating means;

wherein a program selection apparatus receives program selection information upon selection of one of said programs listed in said program guide information by said user on said communication terminal device.

6. (Currently Amended) [[An]] The information receiving device according to Claim 5, further comprising recording control means for recording to recording means programs specified by said communication terminal device from a plurality of programs supplied from said program supplying means.

7. (Currently Amended) A remote operating system wherein a communication terminal device and an information receiving device are adapted to communicate with each other ~~are connected via predetermined communication means;~~

wherein said information receiving device comprises:

program guide information storing means for storing ~~beforehand~~ program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

preference information storing means for ~~correlating~~ storing preference information indicating the preferences of ~~user using said~~ each of one or more users, said preference information for each user also corresponding to a particular communication terminal device with identification information ~~appropriated to said communication terminal device, and storing said preference information beforehand~~ associated therewith;

a receiver for receiving identification information from said communication terminal device indicative of the identification thereof;

~~receiving means for receiving said identification information transmitted from a remote commander connected to said communication means;~~

searching means for:

reading from said preference information storing means said preference information corresponding to said received identification information,

searching programs matching the preferences of said user from said program guide information based on said read preference information, and

generating searched program guide information comprising said searched programs;

transmitting means for transmitting said searched program guide information to said remote commander; and

a remote commander having first transmitting / receiving means for directly exchanging information between said receiving means and said transmitting means, and second transmitting / receiving means for exchanging information via said communication terminal device and said communicating means;

and wherein said communication terminal device comprises:

transmitting means for transmitting to said remote commander said identification information ~~appropriated to~~ associated with said communication terminal device;

receiving means for receiving said searched program guide information transmitted from said remote commander; ~~and~~

notifying means for notifying the user of said received searched program guide information; and

transmitting means for transmitting to a program selection apparatus program selection information upon selection of one of said program lists in said program guide information by a user on said communication terminal device.

8. (Currently Amended) [[A]] The remote operating system according to Claim 7, wherein said information receiving device further comprises recording control means for recording to recording means programs specified by said communication terminal device from a plurality of programs supplied from said program supplying means.

9. (Currently Amended) A program guide information providing method for a program guide information providing device ~~connected to~~ adapted to communicate with a communication terminal device ~~via predetermined communication means~~, said method comprising the following steps:

storing ~~beforehand~~ in program guide information storing means program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

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~~correlating~~ storing preference information indicating the preferences of ~~user using said~~ each of one or more users, said preference information for each user also corresponding to a particular communication terminal device with identification information ~~appropriated to said~~ ~~communication terminal device, and storing said preference information beforehand in storing~~ means associated therewith;

receiving identification information from said communication terminal device indicative of the identification thereof;

reading from said preference information storing means said preference information corresponding to said identification information transmitted from said communication terminal device;

searching programs matching the preferences of said user from said program guide information based on said read preference information;

generating searched program guide information comprising said searched programs; and transmitting said searched program guide information to said communication terminal device;



wherein a program selection apparatus receives program selection information upon selection of one of said programs listed in said program guide information by said user on said communication terminal device.

10. (Currently Amended) [[A]] The program guide information providing method for a program guide information providing device according to Claim 9, further receiving programs supplied from said program supplying means.

11. (Currently Amended) A program guide information providing method for a program guide information providing system comprising a communication terminal device and a program guide information providing device ~~connected by predetermined communication means~~ adapted to communicate with each other, said method comprising the following steps:

storing ~~beforehand~~ in program guide information storing means of said program guide information providing device, program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

~~correlating~~ storing preference information indicating the preferences of ~~user using said~~ each of one or more users, said preference information for each user also corresponding to a particular communication terminal device with identification information appropriated to said communication terminal device, and storing said preference information beforehand in storing means associated therewith;

receiving identification information from said communication terminal device indicative of the identification thereof;

transmitting said identification information from said communication terminal device to said program guide information providing device;

~~receiving said identification information transmitted from said communication terminal device with said program guide information providing device;~~

reading from said preference information storing means said preference information corresponding to said received identification information,

searching programs matching the preferences of said user from said program guide information based on said read preference information, and

generating searched program guide information comprising said searched programs;

transmitting said searched program guide information to said communication terminal device from said ~~program~~ guide information providing device;

receiving said searched program guide information transmitted from said program guide information providing device with said communication terminal device; ~~and~~

notifying the user of said received searched program guide information via notifying means; and

transmitting to a program selection apparatus program selection information upon selection of one of said program lists in said program guide information by a user on said communication terminal device.

12. (Currently Amended) [[A]] The program guide information providing method for a program guide information providing system according to Claim 11, wherein said information providing device receives programs supplied from said program supplying means.

13. (Currently Amended) A program guide information providing method for an information receiving device ~~connected to~~ adapted to communicate with a communication terminal device ~~by predetermined communication means~~, said method comprising the following steps:

storing ~~beforehand~~ program guide information indicating the contents of programs to be supplied by predetermined program supplying means to program guide information storing means of said information receiving device;

~~correlating~~ storing preference information indicating the preferences of ~~user using said~~ each of one or more users, said preference information for each user also corresponding to a particular communication terminal device with identification information ~~appropriated to said communication terminal device, and storing said preference information beforehand in storing means~~ associated therewith;

receiving identification information from said communication terminal device indicative of the identification thereof;

~~receiving said identification information transmitted from said communication terminal device with a remote commander connected to said communication means~~;

transmitting said received identification information from said remote commander to said information receiving device;

receiving said identification information transmitted from said remote commander with said information receiving device;

reading from said preference information storing means said preference information corresponding to said received identification information;

searching programs matching the preferences of said user from said program guide information based on said read preference information;  
generating searched program guide information comprising said searched programs;  
transmitting said searched program guide information from said information receiving device to said remote commander;  
receiving said searched program guide information transmitted from said information receiving device with said remote commander; and  
transmitting said received searched program guide information from said remote commander to said communication terminal device;  
wherein a program selection apparatus receives program selection information upon selection of one of said programs listed in said program guide information by said user on said communication terminal device.

14. (Currently Amended) [[A]] The program guide information providing method for an information receiving device according to Claim 13, wherein said information receiving device records to recording means programs specified by said communication terminal device from a plurality of programs supplied from said program supplying means.

15. (Currently Amended) A remote operating method for a remote operating system wherein a communication terminal device and an information receiving device are adapted to communicate with each other ~~are connected via predetermined communication means~~, said method comprising the following steps:

storing ~~beforehand~~ program guide information indicating the contents of programs to be supplied by predetermined program supplying means to program guide information storing means of said information receiving device;

~~correlating~~ storing preference information indicating the preferences of ~~user using said~~ each of one or more users, said preference information for each user also corresponding to a particular communication terminal device with identification information ~~appropriated to said communication terminal device, and storing said preference information beforehand in storing means~~ associated therewith;

receiving identification information from said communication terminal device indicative of the identification thereof;

transmitting said identification information from said communication terminal device to a remote commander connected to said communication means;

~~receiving said identification information transmitted from said communication terminal device with said remote commander~~;

transmitting said received identification information from said remote commander to said information receiving device;

receiving said identification information transmitted from said remote commander with said information receiving device;

reading from said preference information storing means said preference information corresponding to said received identification information;

searching programs matching the preferences of said user from said program guide information based on said read preference information;

generating searched program guide information comprising said searched programs;

transmitting said searched program guide information from said information receiving device to said remote commander;

receiving said searched program guide information transmitted from said information receiving device with said remote commander;

transmitting said received searched program guide information from said remote commander to said communication terminal device;

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Cont. receiving said searched program guide information transmitted from said remote commander with said communication terminal device; ~~and~~

notifying the user of said received searched program guide information via notifying means; and

transmitting to a program selection apparatus program selection information upon selection of one of said program lists in said program guide information by a user on said communication terminal device.

16. (Currently Amended) [[A]] The remote operating method for a remote operating system according to Claim 15, wherein said information receiving device further records to recording means programs specified by said communication terminal device from a plurality of programs supplied from said program supplying means.

17. (New) The program guide information providing device according to Claim 1, wherein said preference information storing means is located adjacent said program selection apparatus.

18. (New) The program guide information providing device according to Claim 1, wherein said preference information is located at a remote location apart from said program selection apparatus.

19. (New) The program guide information providing device according to Claim 18, wherein said preference information is retrieved over a public network.

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20. (New) The program guide information providing device according to Claim 18, wherein said preference information is stored at a website.

21. (New) The program guide information providing system according to Claim 3, wherein said preference information storing means is located adjacent said program selection apparatus.

22. (New) The program guide information providing system according to Claim 3, wherein said preference information is located at a remote location apart from said program selection apparatus.

23. (New) The program guide information providing system according to Claim 22, wherein said preference information is retrieved over a public network.

24. (New) The program guide information providing system according to Claim 22, wherein said preference information is stored at a website.

25. (New) The information receiving device according to Claim 5, wherein said preference information storing means is located adjacent said program selection apparatus.

26. (New) The information receiving device according to Claim 5, wherein said preference information is located at a remote location apart from said program selection apparatus.

27. (New) The information receiving device according to Claim 26, wherein said preference information is retrieved over a public network.

28. (New) The information receiving device according to Claim 26, wherein said preference information is stored at a website.

29. (New) The remote operating system according to Claim 7, wherein said preference information storing means is located adjacent said program selection apparatus.



30. (New) The remote operating system according to Claim 7, wherein said preference information is located at a remote location apart from said program selection apparatus.

31. (New) The remote operating system according to Claim 30, wherein said preference information is retrieved over a public network.

32. (New) The remote operating system according to Claim 30, wherein said preference information is stored at a website.

33. (New) The program guide information providing method according to Claim 9, wherein said preference information storing means is located adjacent said program selection apparatus.

34. (New) The program guide information providing method according to Claim 9, wherein said preference information is located at a remote location apart from said program selection apparatus.

35. (New) The program guide information providing method according to Claim 34, wherein said preference information is retrieved over a public network.

36. (New) The program guide information providing method according to Claim 34, wherein said preference information is stored at a website.

37. (New) The program guide information providing method according to Claim 11, wherein said preference information storing means is located adjacent said program selection apparatus.

38. (New) The program guide information providing method according to Claim 11, wherein said preference information is located at a remote location apart from said program selection apparatus.

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39. (New) The program guide information providing method according to Claim 38, wherein said preference information is retrieved over a public network.

40. (New) The program guide information providing method according to Claim 38, wherein said preference information is stored at a website.

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